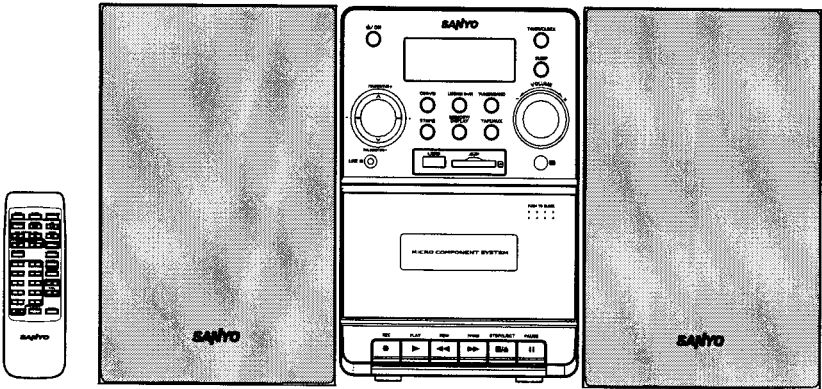


Service Manual

Micro Component System

DC-UB1470 (XE)



CONTENTS

PRODUCT CODE No.
129 738 00

Laser Beam Safety Precaution	1	Schematic Diagram (TUNER)	16
Tuner Adjustments	2	Schematic Diagram (TAPE)	17
Tape Deck Adjustments	3	Schematic Diagram (CONTROL)	18
Exploded View (Packing & Accessories)	4	Schematic Diagram (USB/SD)	19
Exploded View (Cabinet & Chassis)	5	Wiring Diagram (CD)	20
Parts List	6	Wiring Diagram (CONTROL)	22
Wiring Connection	9	Wiring Diagram (TUNER)	24
Schematic Diagram (MAIN)	10	Wiring Diagram (TAPE)	26
Schematic Diagram (CD)	12	Wiring Diagram (USB/SD)	28
Schematic Diagram (MCU)	14	Wiring Diagram (MAIN)	29

! RoHS

This product does not contain any hazardous substances prohibited by the RoHS Directive.
(RoHS compliant product is "R" or "Z" appears at the last digit of serial number or a "RSF" label near the rating plate.)

⚠ WARNING

You are requested to use RoHS compliant parts for maintenance or repair. You are requested to use lead-free solder.
(This product has been manufactured using lead-free solder. Be sure to follow the warning of the following when carrying out repair work.)

WARNING

Do not use solder containing lead.

This product has been manufactured using lead-free solder in order to help preserve the environment.

Because of this, be sure to use lead-free solder when carrying out repair work, and never use solder containing lead.

Lead-free solder has a melting point that is 30 - 40°C (86 - 104°F) higher than solder containing lead, and moreover it does not contain lead which attaches easily to other metals. As a result, it does not melt as easily as solder containing lead, and soldering will be more difficult even if the temperature of the soldering iron is increased.

The extra difficulty in soldering means that soldering time will increase and damage to the components or the circuit board may easily occur.

Because of this, you should use a soldering iron and solder that satisfy the following conditions when carrying out repair work.

Soldering iron

Use a soldering iron which is 70 W or equivalent, and which lets you adjust the tip temperature up to 450°C (842°F). It should also have as good temperature recovery characteristics as possible.

Set the temperature to 350°C (662°F) or less for chip components, to 380°C (716°F) for lead wires and similar, and to

420°C (788°F) when installing and removing shield plates.

The tip of the soldering iron should have a C-cut shape or a driver shape so that it can contact the circuit board as flat or in a line as much as possible.

Solder

Use solder with the metal content and composition ratio by weight given in the table below. Do not use solders which do not meet these conditions.

Metal content	Tin(Sn)	Silver(Ag)	Copper(Cu)
Composition ratio by weight	96.5%	3.0%	0.5%

Lead-free solder is available for purchase as a service tool.

Use the following part number when ordering:

Part name: Lead-free solder with resin (0.5 mm dia., 500 g)

Part number: VJ8-0270

Note:

If replacing existing solder containing lead with lead-free solder in the soldered parts of products that have been manufactured up until now, remove all of the existing solder at those parts before applying the lead-free solder.

LASER BEAM SAFETY PRECAUTION

- Pick-up that emits a laser beam is used in this CD player section.

CAUTION :

USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE.

LASER OUTPUT 0.6 mW Max. (CW)

WAVE LENGTH 790 nm

CAUTION - INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED. AVOID EXPOSURE TO BEAM.

ADVARSEL - USYNLIG LASER STRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGA UDSÆTTELSE FOR STRÅLING.

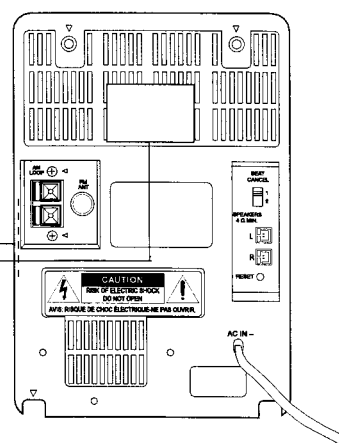
VARNING - OSYNLIG LASER STRÅLNING NÅR DENNA DEL ÄR ÖPPNAD OCH SPÄRR ÄR URKOPPLAD. STRÅLEN ÄR FARLIG.

VORSICHT - UNSICHTBARE LASERSTRAHLUNG TRITZ AUS, WENN DECKEL GEÖFFNET UND WENN SICHERHEITSSCHLÖSSEL ÜBERBRÜCKT IST. NICHT DEM STRAHL AUSSETZEN.

VARO - AVATTAESSA JA SUOJALUKITUS OHITETTAESSA OLET ALTTIINA NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE. ÄLÄ KATSO SÄTEESEEN.



CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT



TUNER ADJUSTMENTS

Use a plastic screw driver for adjustments.

Adjust the intermediate frequency of AM to the frequency of ceramic filter.

Set of unit

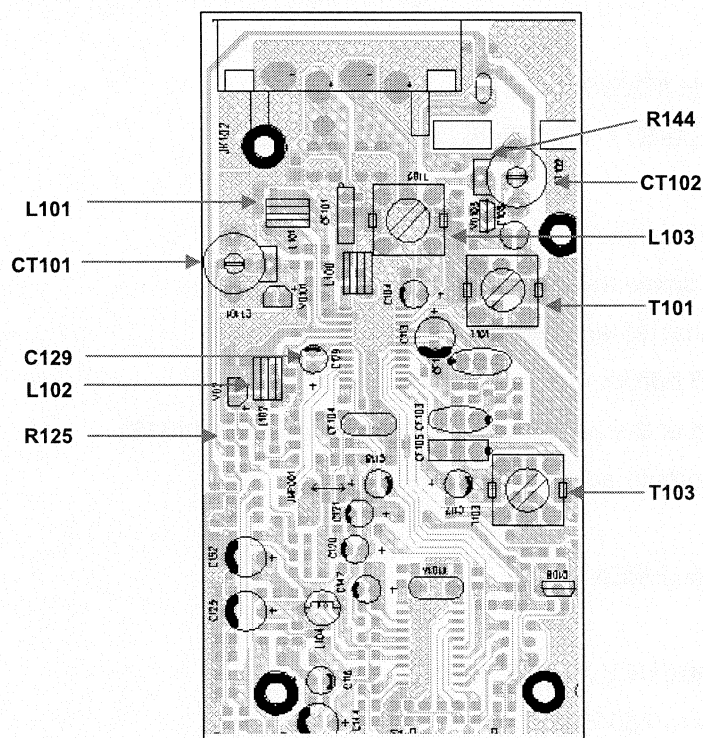
Supply voltage : AC 230V

speaker impedance : 8 ohms

standard output : 50 mW

Function select: : TUNER

a. Parts Location



a.AM Adjustment

Band :AM

Step	Adjusting Circuit	Connections		SG Frequency	Position of Tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	IF	Closed the output terminal by sweep generator, it place to AM ANT	Connect VTVM to C129(-)	450 KHz	522 KHz	T103	
2	Tuning cover range	Connect AM SG to test loop	Connect VTVM to R144	522 KHz	520 KHz	T101	VT: 1.4+/-0.1V
				1611 KHz	1610 KHz		VT: 7.2+/-0.5V
3	Tracking	Connect AM SG to test loop	Connect VTVM to speaker terminals.	603 KHz	610 KHz	AM COIL	Max.
				1404 KHz	1400KHz	CT102	

b.FM Adjustment

Band :FM

FM Dummy antenna: 75 ohms unbalance

Step	Adjusting Circuit	Connection		SG Frequency	Position of Tuning dial	Adjustment	VTVM Oscilloscope
		Input	Output				
1	IF	Connect sweep generator to C139	Connect VTVM to C129(-)	10.7 MHz	90.00 MHz		
2	Tuning cover range	Connect FM SG to D102(+) & D101(-)	Connect VTVM to R125	87.50 MHz	87.50 MHz	L102	VT: 1.8+/-0.1V
				108.00 MHz	108.00 MHz		VT: 6.5+/-0.5V
3	Tracking	Connect FM SG to D102(+) & D101(-)	Connect VTVM to speaker terminals.	90.00 MHz	90.00 MHz	L101	Max.
				106.00 MHz	106.00 MHz	CT101	

TAPE DECK ADJUSTMENTS

1. HEAD REPLACEMENT

After replacement, demagnetize the heads by using a degausser.

Be sure to clean the heads before attempting to make any adjustments.

All wiring should be returned to the original position after work is completed.

2. HEAD AZIMUTH ADJUSTMENT

- (1) Load the test tape(STT-113CN,etc., 8KHz) for azimuth adjustment.
- (2) Press the PLAY button.
- (3) Use a cross-tip screwdriver to turn the screw for azimuth adjustment so that left and right output are maximized
- (4) Press the STOP button.
- (5) After completion of the adjustment, use thread lock (TB-1401B) to secure the azimuth-adjustment screw.

3. MOTOR REPLACEMENT

4. AC BIAS FREQUENCY ADJUSTMENTS

- (1) connect counter to T801(BS);
- (2) R/P swith in recording state;
- (3) Adjusting T801 use a plastic screw, AC bias frequency: 82KHz.

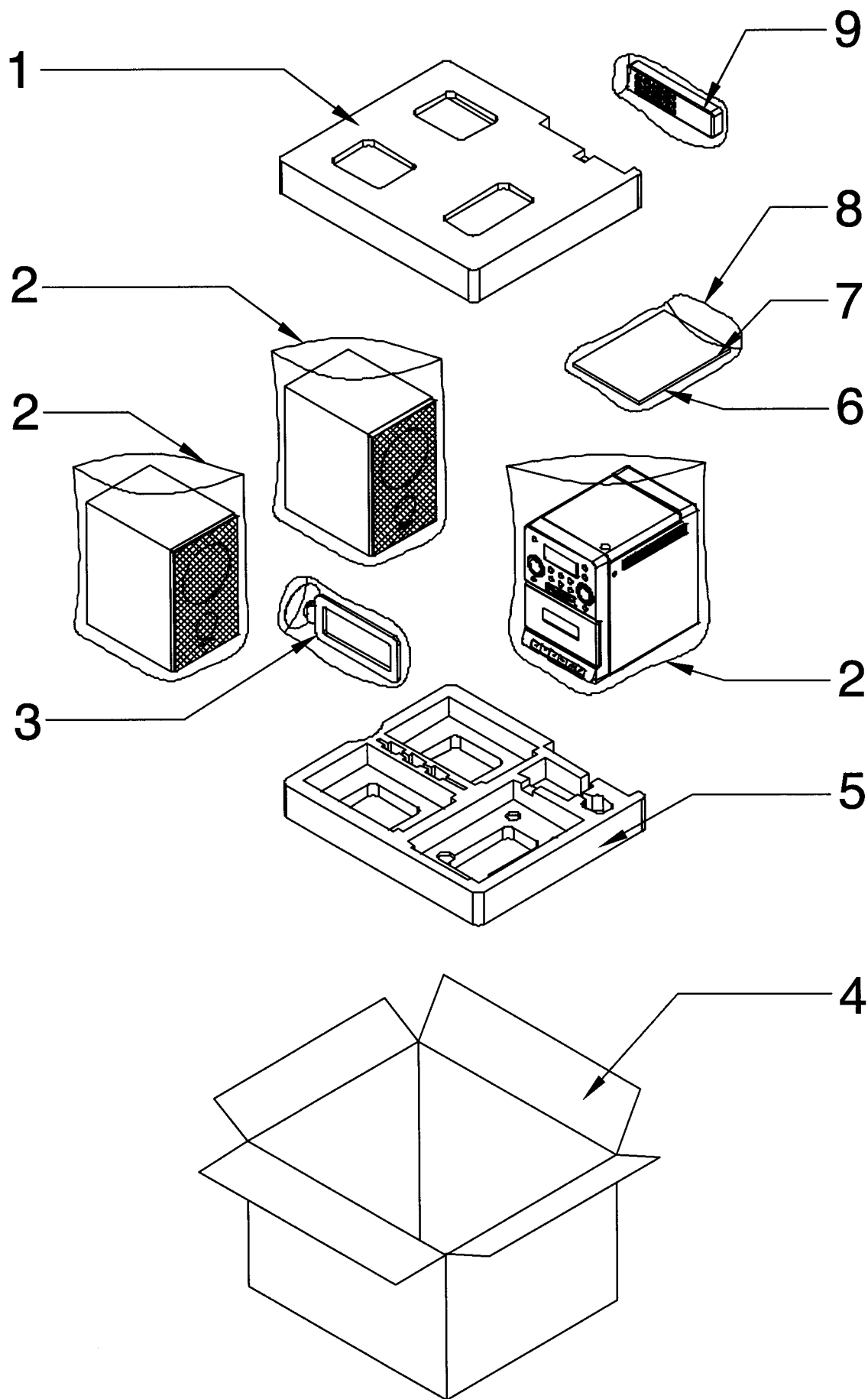
5. MOTOR SPEED ADJUSTMENT

- (1) Insert the test tape(MTT-111N,etc., 3,000 Hz)
- (2) Press the PLAY button.
- (3) Use a flat-tip screwdriver to turn the SVR(located inside the rear of the motor) to adjust SVR so that the frequency counter become 3,000 Hz .

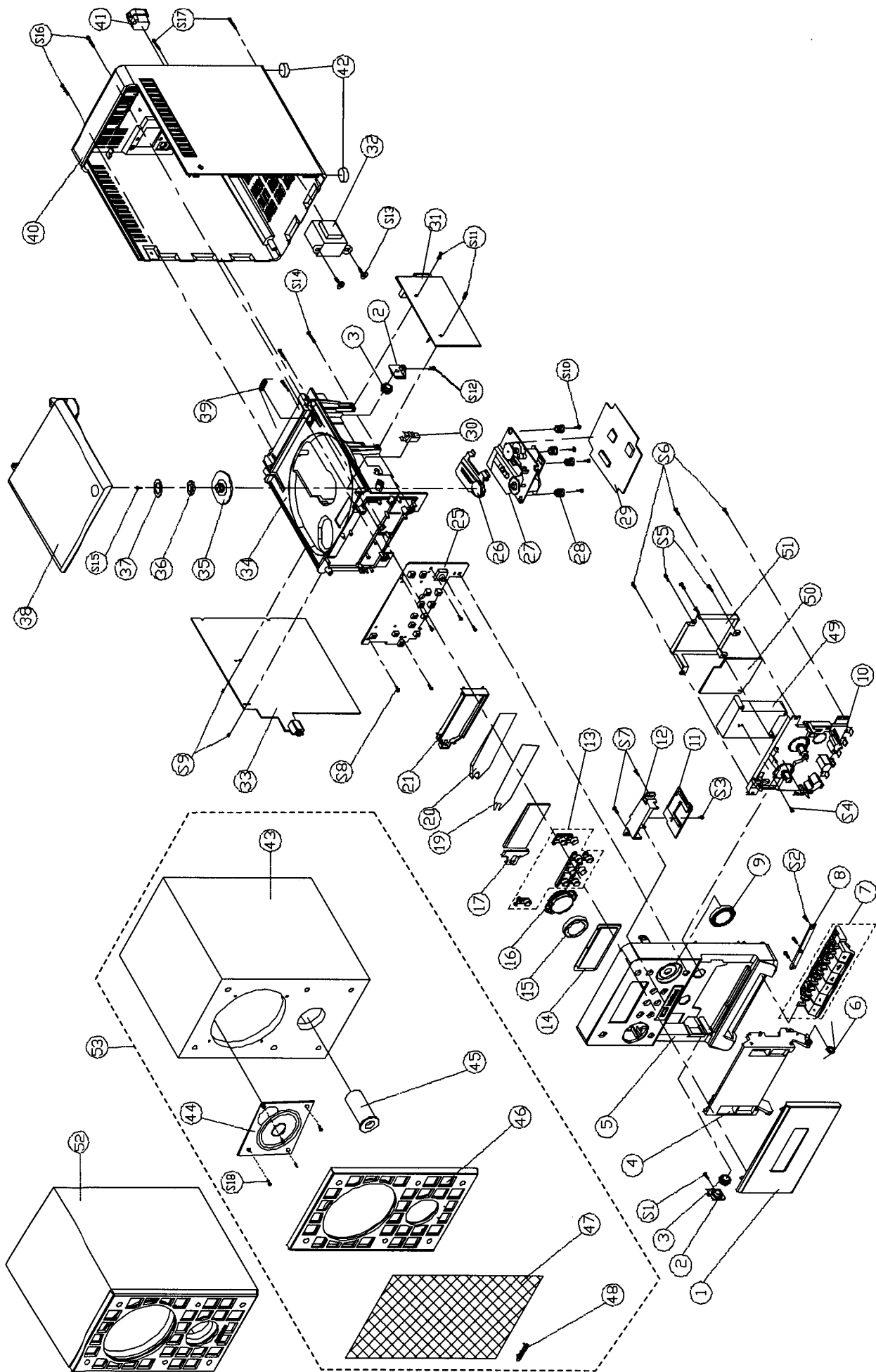
6. CHECKING THE MECHANISM TORQUE AND TENSION

Measurement	Take-up torque	Back tension	Tape tension
Cassette of measurement	PLAY:TW-2111A F.FWD/REW:TW-2231	PLAY:TW-2111A	Drive-power cassette TW-2412
PLAY	30-70 gf.cm	1.5 - 5 gf.cm	70 gf or more
F.FWD	55 gf or more	-----	-----
REW	55 gf or more	-----	-----

EXPLODED VIEW (PACKING & ACCESSORIES)



EXPLODED VIEW (CABINET & CHASSIS)



PARTS LIST

PRODUCT SAFETY NOTICE

EACH PRECAUTION IN THIS MANUAL SHOULD BE FOLLOWED DURING SERVICING. COMPONENTS IDENTIFIED WITH THE IEC SYMBOL Δ IN THE PARTS LIST AND THE SCHEMATIC DIAGRAM DESIGNATED COMPONENTS IN WHICH SAFETY CAN BE OF SPECIAL SIGNIFICANCE. WHEN REPLACING A COMPONENT IDENTIFIED BY Δ , USE ONLY THE REPLACEMENT PARTS DESIGNATED, OR PARTS WITH THE SAME RATINGS OF RESISTANCE, WATTAGE OR VOLTAGE THAT ARE DESIGNATED IN THE PARTS LIST IN THIS MANUAL. LEAKAGE-CURRENT OR RESISTANCE MEASUREMENTS MUST BE MADE TO DETERMINE THAT EXPOSED PARTS ARE ACCEPTABLY INSULATED FROM THE SUPPLY CIRCUIT BEFORE RETURNING THE PRODUCT TO THE CUSTOMER.

CAUTION : Regular type resistors and capacitors are not listed. To know those values, refer to the schematic diagram.
Regular type resistors are less than 1/4 W carbon type and 0 ohm chip resistors.
Regular type capacitors are less than 50 V and less than 1000 μ F type of Ceramic type and Electrical type.

PACKING & ACCESSORIES

REF.NO.	PART NO.	DESCRIPTION
1	645 094 2174	POLYFORM TOP COVER
2	645 069 7357	POLY BAG,SPEAKER,UNIT
3	645 061 6297	ANTENNA LOOP
4	645 094 2549	GIFT BOX
5	645 094 2181	POLYFORM BOTTOM COVER
6	645 094 2518	INSTRUCTION MANUAL
7	645 094 2143	QUICK GUIDE
8	645 066 6063	POLY BAG,IB
9	645 094 2563	REMOTE CONTROL, RC31-X000XX-020
	Δ 645 080 4939	POWER CORD,VDE

CABINET & CHASSIS

REF.NO.	PART NO.	DESCRIPTION
1	645 094 2440	CASS DOOR COVER
2	645 033 0414	CASS LID GEAR HOLDER
3	645 033 0407	CASS LID GEAR
4	645 094 2075	CASS DOOR BRACKET
5	645 094 2433	CABINET FRONT
6	645 042 1181	CASS DOOR SPRING
7	645 094 2457	KNOB CASS,SET
8	645 080 5387	CASS KNOB PLATE
9	645 094 2051	KNOB VOLUME
10	645 080 4977	CASS DECK MECHANISM
12	645 094 2068	USB BRACKET
13	645 094 2495	FUCTION KNOB,SET
14	645 094 2129	DISPLAY LENS
15	645 094 2471	CD KNOB COVER
16	645 094 2488	CD KNOB BRACKET
26	645 042 0375	CD MECHA COVER
27	645 080 5356	CD DECK MECHANISM
28	645 033 3446	RUBBER SILICON,CD DECK
30	645 043 0145	CD DOOR LOCK
34	645 094 2426	CD TRAY
35	645 033 3989	CD CHUCK A
36	645 033 3972	CD MAGNET RING
37	645 094 2044	CD CHUCK M
38	645 094 2464	CD DOOR
39	645 080 5400	CD DOOR SPRING
40	645 094 2419	CABINET BACK
41	645 093 5299	LINE CORD HOLDER
42	645 094 2020	RUBBER FOOT,FOR UNIT
43	645 094 2525	WOOD SPEAKER BOX
45	645 062 1291	SPK BOX PLASTIC PIPE
46	645 094 2112	NET BRACKET
47	645 094 2402	SPEAKER GRILLE CLOTH
48	645 076 1515	SANYO LOGO
49	645 094 2136	RECORDING BD BRACKET
51	645 091 6618	SHIELD PLATE,FOR TAPE PCB
52	645 094 2570	ASSY SPEAKER BOX L,LEFT
53	645 094 2587	ASSY SPEAKER BOX R,RIGHT

FIXING PARTS

REF.NO.	PART NO.	DESCRIPTION
S1	645 023 6624	SCREW ST 3X10, CASS DOOR GEAR
S2	645 023 6594	SCREW ST 3X8,CASS KNOB PLATE
S3	645 023 6594	SCREW ST 3X8,USB PCB
S4	645 079 0577	SCREW 2.6X6,LEAF SWITCH
S5	645 023 6594	SCREW ST 3X8,SHIELD PLATE
S6	645 023 6617	SCREW ST 3X10,CASS DECK
S7	645 023 6617	SCREW ST 3X10,USB BRACKET
S8	645 023 6594	SCREW ST 3X8,CONTROL BD
S9	645 023 6594	SCREW ST 3X8,MAIN BD
S10	645 069 6770	SCREW 2.6X8,CD DECK
S11	645 023 6594	SCREW ST 3X8,TUNER BD
S12	645 023 6624	SCREW ST 3X10,CD DOOR GEAR
S13	645 027 1182	SCR 3X20,POWER TRANSFORMER
S14	645 042 0306	SCR 3 X 12,BACK CAB TO CD TRAY
S15	645 051 6641	SCR 2 X 6, CD CHUCK M TO CD CHUCK A
S16	645 042 0306	SCR 3 X 12, CD TRAY TO FRONT CAB
S17	645 027 3841	SCR 3X2.5, BACK CAB TO FRONT CAB
S18	645 023 6624	SCREW ST 3X10,SPEAKER

ELECTRICAL PARTS

REF.NO.	PART NO.	DESCRIPTION
32	Δ 645 080 4946	POWER TRANSFORMER,V1423FS
44	645 094 1559	SPEAKER 3.5
	645 076 0778	CC 100P 50V,CASS DECK
	645 027 1328	SOLDERING SLUG,ANT
	645 094 1658	FERRITE BEAD, MAIN CN204 TO CASS DECK
	645 080 5011	FERRITE BEAD, USB CN601 TO CD CN903 WI
	645 080 5011	FERRITE BEAD, MAIN CN404 TO LEAF SW WI
	645 080 5011	FERRITE BEAD, USB CN602 TO CD CN703
	645 093 5015	FERRITE BEAD, MAIN CN203 TO REC. CN202
	645 055 7095	FERRITE BEAD, MAIN CN401 TO CD CN702 W
	645 094 1771	FFC CABLE 13P, MAIN CN403 TO CONTROL CN
	645 062 1079	FFC CABLE 16P, CD BD CN904 TO CD DECK
	645 094 1788	FFC CABLE 22P, MAIN CN701 TO CD CN710
	645 055 7187	2P HSG, MAIN CN404 TO CD DOOR S
	645 094 1764	HSG 4P, REC. CN201 TO CASS DECK
	645 054 0707	HSG 3P, MAIN CN204 TO CASS DECK
	645 091 6359	1P HSG,CASSDECK
	645 091 6366	1P HSG,C144-TO CASS DECK
	645 086 4360	10P HSG, MAIN CN203 TO REC. CN202

PARTS LIST

MAIN P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
33	645 094 2334	ASSY PWB MAIN (Only initial)
C0460	645 080 4915	ELECT 1000U 16V
C0507	645 073 7992	POLYESTER 0.001U 100V
C0508	645 079 6715	POLYESTER 0.18U 100V
C0510	645 079 6715	POLYESTER 0.18U 100V
C0513	645 079 6715	POLYESTER 0.18U 100V
C0516	645 079 6715	POLYESTER 0.18U 100V
C0519	645 073 7992	POLYESTER 0.001U 100V
C0580	645 080 4915	ELECT 1000U 16V
C1106	645 080 4922	ELECT 6800U 25V
CN203	645 094 1757	10P HEADER
CN204	645 033 3682	HEADER 3PINS
CN403	645 034 6781	FFC HEADER 13PINS
CN404	645 034 6798	HEADER 2PINS
CN701	645 094 1726	22P FFC HEADER
D0401	645 055 6821	DIODE 1N4148
D0421	645 055 6821	DIODE 1N4148
D0422	645 055 6821	DIODE 1N4148
D0423	645 023 6112	RECTIFIER 1N-4001
D0461	645 023 6112	RECTIFIER 1N-4001
D0462	645 055 6821	DIODE 1N4148
D0706	645 055 6821	DIODE 1N4148
D0778	645 055 6821	DIODE 1N4148
D1101	645 027 0932	RECTIFIER 1N-5401
D1102	645 027 0932	RECTIFIER 1N-5401
D1103	645 027 0932	RECTIFIER 1N-5401
D1104	645 027 0932	RECTIFIER 1N-5401
F1101	645 080 5035	GLASS FUSE,FS1101
FS401	645 094 1702	FUSE
IC301	645 080 4984	IC LA4629
IC401	645 094 1610	IC CW7809CS,ZENER
IC402	645 091 6311	IC KA7805
IC501	645 094 1962	IC SC7314
IC701	645 094 1955	IC CD74HC4094
IC707	645 094 1924	IC ATMA8
IC710	645 094 1931	IC NK1117/3.3V
JK301	645 062 1147	ST PHONEJACK
JK302	645 062 1178	SPEAKER TERMINAL
JK601	645 033 3743	EARPHONE JACK
L0304	645 094 1672	CHOKE COIL 4.7UH
L0306	645 094 1689	INDUCTOR 47UH
L0307	645 094 1689	INDUCTOR 47UH
L0308	645 094 1672	CHOKE COIL 4.7UH
L0309	645 094 1689	INDUCTOR 47UH
L0403	645 033 3637	CHOKE COIL 10UH
L0404	645 033 3637	CHOKE COIL 10UH
L0602	645 094 1689	INDUCTOR 47UH
L0611	645 094 1689	INDUCTOR 47UH
L0701	645 033 3637	CHOKE COIL 10UH
L0709	645 033 3637	CHOKE COIL 10UH
Q0301	645 023 6129	TR 9014C
Q0302	645 023 6129	TR 9014C
Q0401	645 055 6869	TR 8550B C
Q0402	645 023 6129	TR 9014C
Q0403	645 023 6129	TR 9014C
Q0404	645 094 1580	TRANSISTOR B772Y
Q0408	645 023 6129	TR 9014C
Q0411	645 094 1597	TRANSISTOR B1185E.F
Q0441	645 023 6129	TR 9014C
Q0444	645 055 6869	TR 8550B C
Q0460	645 023 6129	TR 9014C
SW301	645 093 4971	SWITCH SLIDE
X0701	645 055 7125	CRYSTAL
ZD404	645 062 0720	ZENER 3.6V
ZD440	645 033 3859	ZENER 8.2V
	645 070 4482	CC 0.022U 50V, CN701 GND TO D432
	645 035 0511	FUSE HOLDER MW1010K,FS1101
	645 080 5363	HEAT SINK,FOR IC301
	645 094 2013	SHIELD PLATE,FOR MAIN PCB
	645 080 5141	4P HSG, MAIN CN603 TO TUNER CN10

REF.NO.

PART NO.

DESCRIPTION

645 073 8296	5P HSG, MAIN CN402 TO TUNER CN10
645 094 2389	HSG 7P,MAIN CN401 TO CD CN702

CONTROL P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
25	645 094 2341	ASSY PWB CONTROL (Only initial)
17	645 094 2082	LED COVER
19	645 094 2037	PAPER BACK LIGHT
20	645 080 5462	LENS BACK LIGHT
21	645 094 2099	DISPLAY BEACKET
IC705	645 094 1948	IC HT1622BD
LD701	645 094 1627	LCD DISPLAY,LCD701
LE701	645 094 1696	LED ROUND,LED701
RM701	645 091 6304	DIODE SM338AL,REM701
SW701	645 069 6640	SWITCH TACT,CLOCKE/TIMER
SW702	645 069 6640	SWITCH TACT,SLEEP
SW703	645 069 6640	SWITCH TACT,STOP
SW705	645 069 6640	SWITCH TACT,PERSET-
SW706	645 069 6640	SWITCH TACT,PERSET+
SW707	645 069 6640	SWITCH TACT,BAND
SW708	645 069 6640	SWITCH TACT,TUNING+
SW709	645 069 6640	SWITCH TACT,SOUND
SW710	645 069 6640	SWITCH TACT,CD/MP3
SW711	645 069 6640	SWITCH TACT,TUNING-
SW712	645 069 6640	SWITCH TACT,MEMORY
SW713	645 069 6640	SWITCH TACT,STAND BY
SW718	645 069 6640	SWITCH TACT,TAPE
VR701	645 094 1665	SHAFT VOLUME
	645 094 2501	REMOTE CONTROL RECEIVER L
	645 094 2105	REMOTE CONTROL RECEIVER B

CD P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
29	645 094 2310	ASSY PWB CD (Only initial)
CF901	645 061 9915	RESONATOR 16.9344MHZ
CN702	645 094 1733	7P HEADER
CN703	645 042 9552	HEADER 4PINS
CN710	645 094 1719	22P FFC HEADER
CN903	645 094 1740	8P HEADER
CN904	645 069 6688	HEADER FFC 16P
D0900	645 073 8562	DIODE 1N4148
D0901	645 073 8562	DIODE 1N4148
IC701	645 091 6557	IC TS2501
IC711	645 091 6601	IC SST39VF800A
IC712	645 076 1447	IC M12L16161A
IC713	645 091 6564	IC CE2711
IC714	645 091 6526	IC AMS1117
IC715	645 091 6519	IC V809R
IC716	645 094 1931	IC NK1117/3.3V
IC901	645 091 6595	IC SC9641
IC902	645 091 6571	IC SA9259
IC903	645 091 6588	IC SA9618
L0706	645 033 3637	CHOKE COIL 10UH
L0910	645 033 3637	CHOKE COIL 10UH
Q0722	645 080 5301	TRANSISTOR 8050C.D
Q0723	645 055 6883	TR KSA928A
Q0911	645 033 3514	TR 2SB764D
Q0912	645 091 6502	TRANSISTOR 8550B.C
Q0913	645 080 5301	TRANSISTOR 8050C.D
SW903	645 069 6657	LEAF SWITCH
X0700	645 092 4729	CRYSTAL 12MHZ
	645 070 4444	CC 0.001U 50V,C763-

PARTS LIST

TUNER P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
31	645 094 2365	ASSY PWB TUNER (Only initial)
C0108	645 055 6791	POLY CAP 390PF
CF101	645 051 6467	BAND PASS FILTER
CF102	645 055 1130	CERAMIC FILTER
CF103	645 055 1130	CERAMIC FILTER
CF104	645 055 6906	CERAMIC FILTER
CF105	645 094 1603	CERAMIC FILTER
CN101	645 042 9552	HEADER 4PINS
CN102	645 051 6535	5P HEADER
CT101	645 023 6310	TRIMMER 10PF
CT102	645 023 6310	TRIMMER 10PF
D0101	645 073 8562	DIODE 1N4148
D0102	645 073 8562	DIODE 1N4148
D0104	645 073 8562	DIODE 1N4148
D0107	645 073 8562	DIODE 1N4148
IC101	645 080 5325	IC LA1823
IC102	645 093 5190	IC LC72131
JK102	645 062 1161	ANTENNA JACK
L0101	645 023 6297	VHF COIL
L0102	645 023 6280	FM COIL
L0103	645 062 0775	IFT,IFT OSC OA10-871104
L0104	645 027 0352	CHOKO COIL 100UH
L0106	645 027 0352	CHOKO COIL 100UH
Q0107	645 080 5318	TRANSISTOR 9018H
Q0108	645 034 7078	TR 2SC3330U
Q0109	645 080 5301	TRANSISTOR 8050C.D
Q0110	645 080 5318	TRANSISTOR 9018H
Q0111	645 080 5301	TRANSISTOR 8050C.D
T0101	645 055 6944	IFT,IFT OSC 1A612R
T0103	645 033 3866	AM COIL,IFT IF 2070
VD101	645 055 6807	DIODE SVC201
VD102	645 055 6807	DIODE SVC201
VD103	645 055 6814	DIODE SVC348
X101A	645 062 0904	CRYSTAL
ZD101	645 094 1917	ZENER 5.1V
	645 042 0344	CONTACT PIN

USB/SD P.W.BOARD ASSY

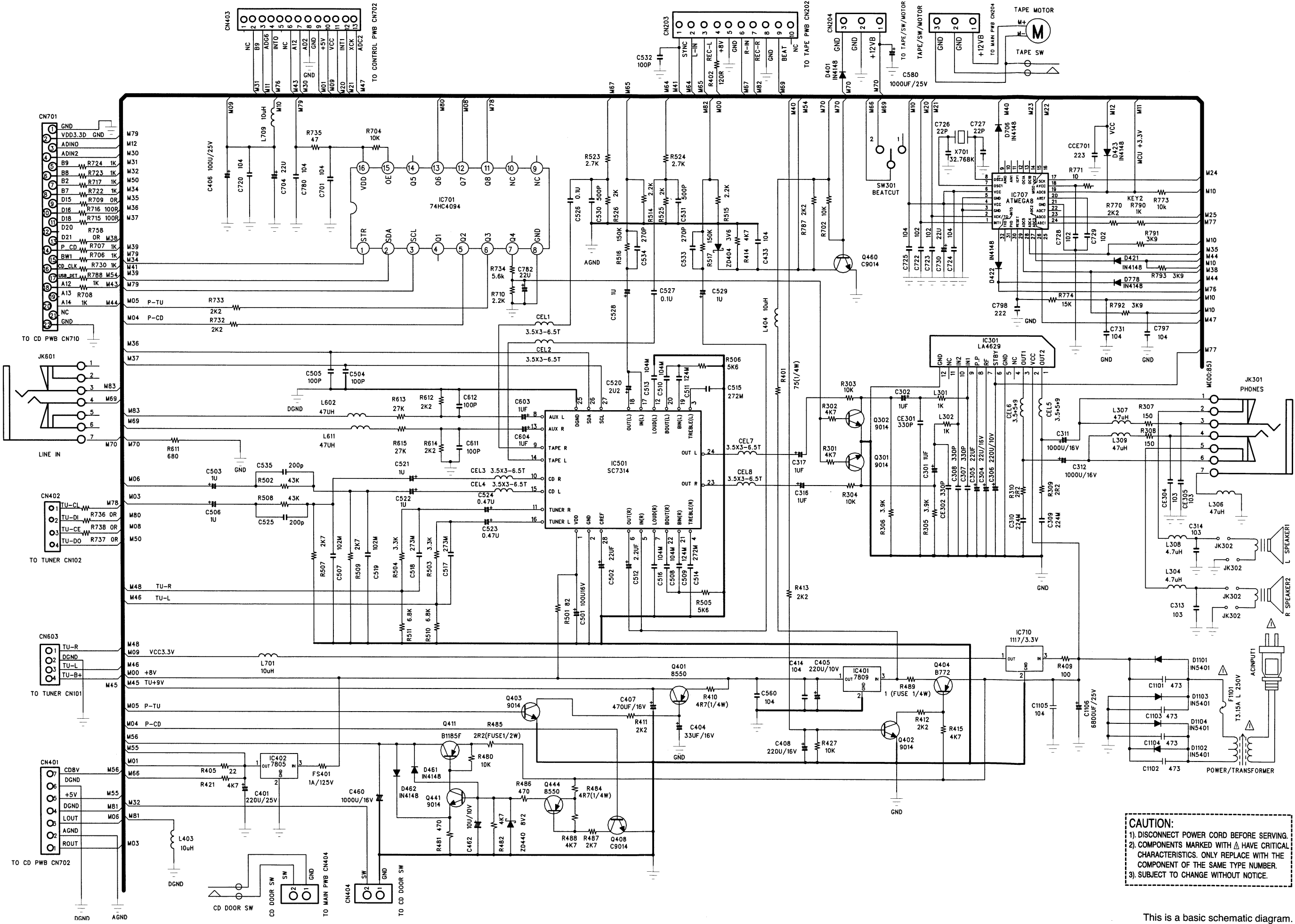
REF.NO.	PART NO.	DESCRIPTION
11	645 094 2358	ASSY PWB USB (Only initial)
CN601	645 094 1740	8P HEADER
JK601	645 094 1993	USB CONNECTOR
JK602	645 094 2006	SD CARD SOCKET
L0602	645 094 1979	FER BEAD
L0603	645 094 1979	FER BEAD
L0604	645 094 1979	FER BEAD
L0605	645 094 1979	FER BEAD
	645 094 2372	HSG 4P,USB CN602 TO CD CN703
	645 094 2396	HSG 8P,USB CN601 TO CD CN903

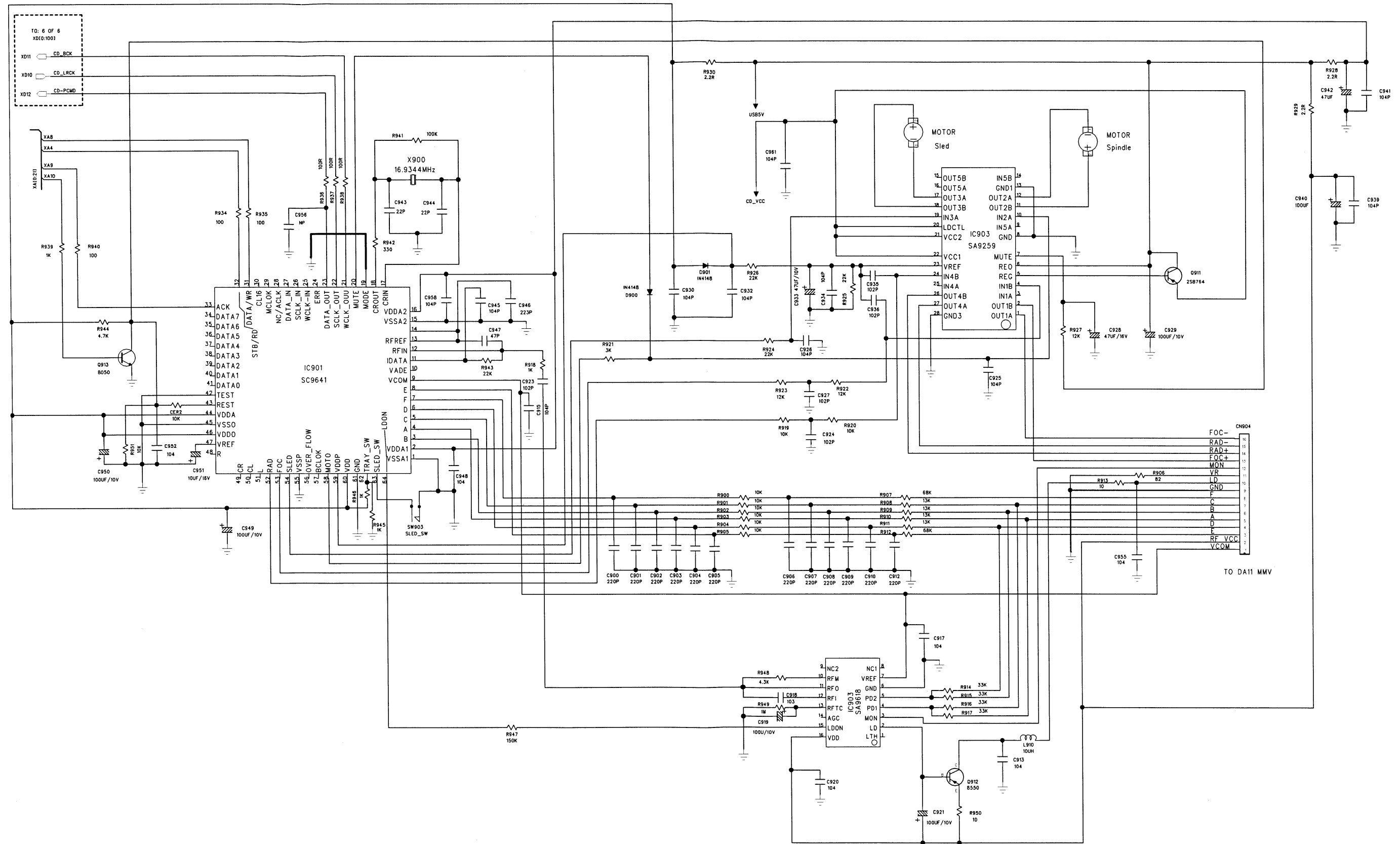
TAPE P.W.BOARD ASSY

REF.NO.	PART NO.	DESCRIPTION
50	645 094 2327	ASSY PWB TAPE (Only initial)
C0201	645 073 8005	POLYESTER 0.0022U 100V
C0202	645 073 7992	POLYESTER 0.001U 100V
C0208	645 073 8005	POLYESTER 0.0022U 100V
C0209	645 073 8005	POLYESTER 0.0022U 100V
C0210	645 073 8050	POLYESTER 0.033U 100V
C0211	645 073 8005	POLYESTER 0.0022U 100V
C0212	645 073 7992	POLYESTER 0.001U 100V
C0213	645 073 8050	POLYESTER 0.033U 100V
C0215	645 083 6060	ELECT 1000U 10V
C0803	645 073 8012	POLYESTER 0.0033U 100V
C0804	645 073 8043	POLYESTER 0.022U 100V
C0806	645 073 8029	POLYESTER 0.01U 100V
CN202	645 035 0115	HEADER 10 PINS JST
IC201	645 084 1408	IC BA3308
L0201	645 079 6937	INDUCTOR 15UH
L0202	645 079 6937	INDUCTOR 15UH
L0203	645 079 6937	INDUCTOR 15UH
L0204	645 079 6937	INDUCTOR 15UH
Q0201	645 072 3162	TRANSISTOR 9014C
Q0202	645 072 3162	TRANSISTOR 9014C
Q0203	645 072 3162	TRANSISTOR 9014C
Q0801	645 072 3162	TRANSISTOR 9014C
Q0802	645 027 0420	TR 8050C
SW201	645 023 6327	SW RECORDING PS62D01-S(SH
T0801	645 027 0307	BIAS COIL,AC BIAS 3630



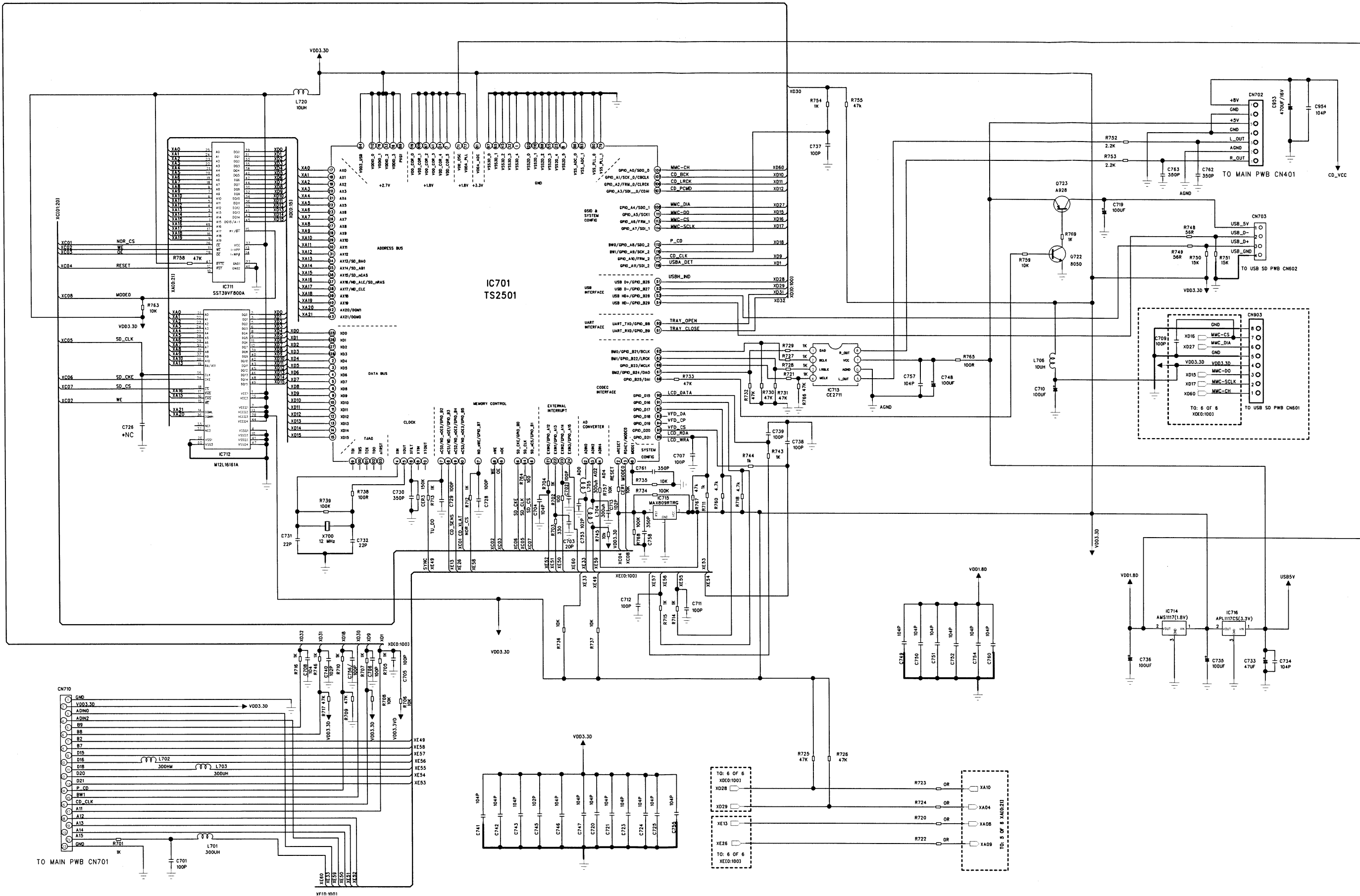
SCHEMATIC DIAGRAM (MAIN)





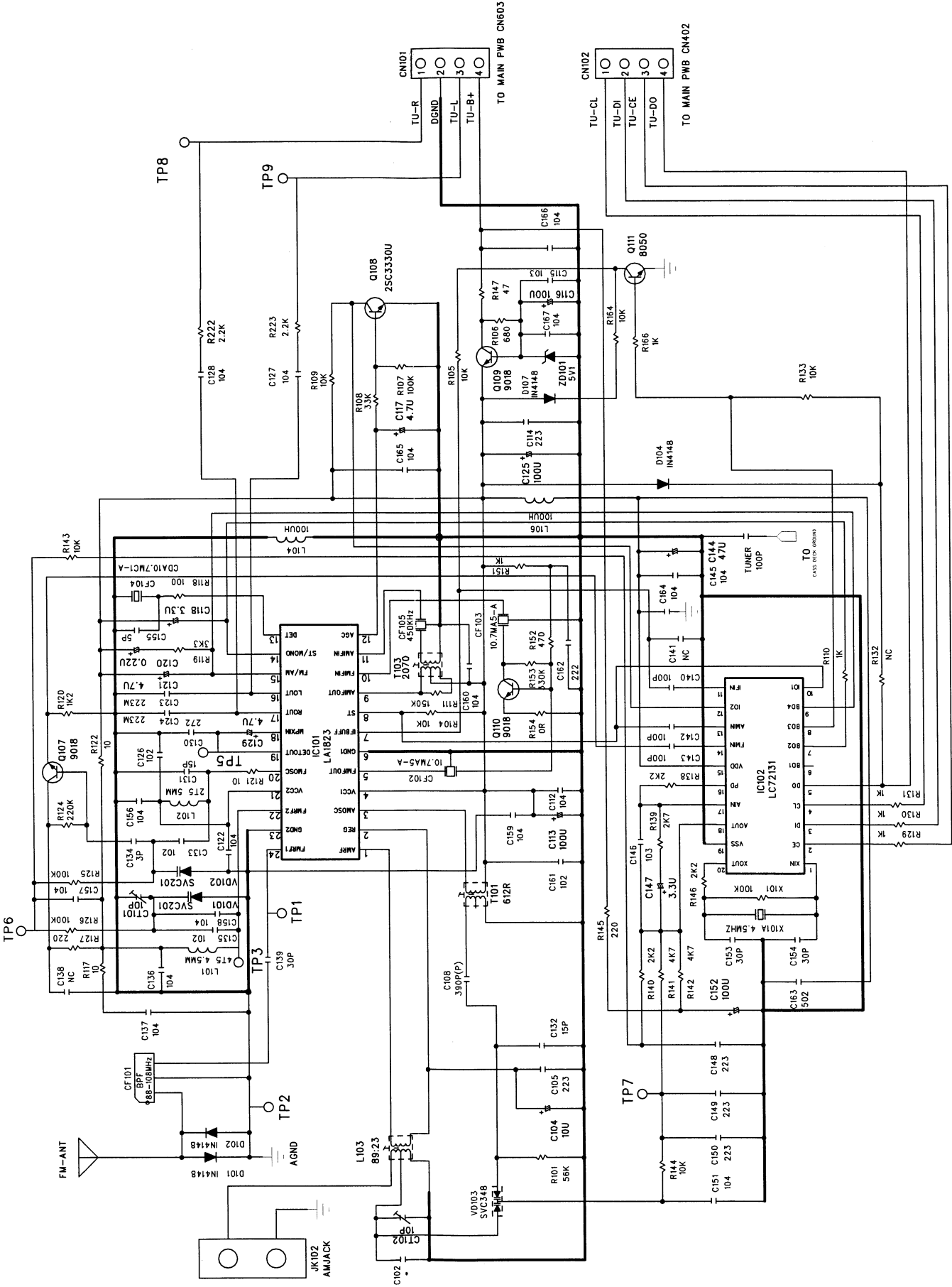
This is a basic schematic diagram.

SCHEMATIC DIAGRAM (MCU)



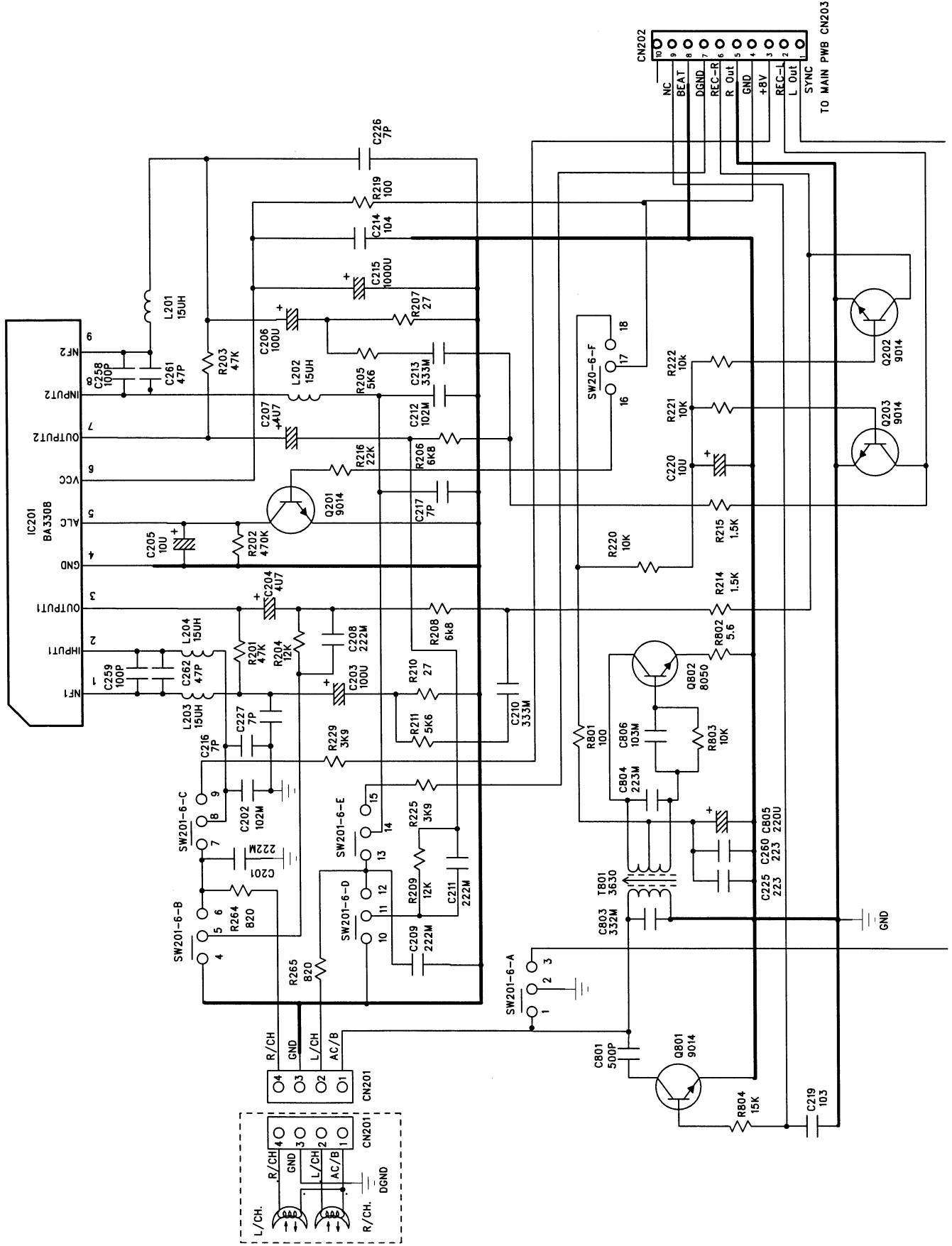
This is a basic schematic diagram.

SCHEMATIC DIAGRAM (TUNER)



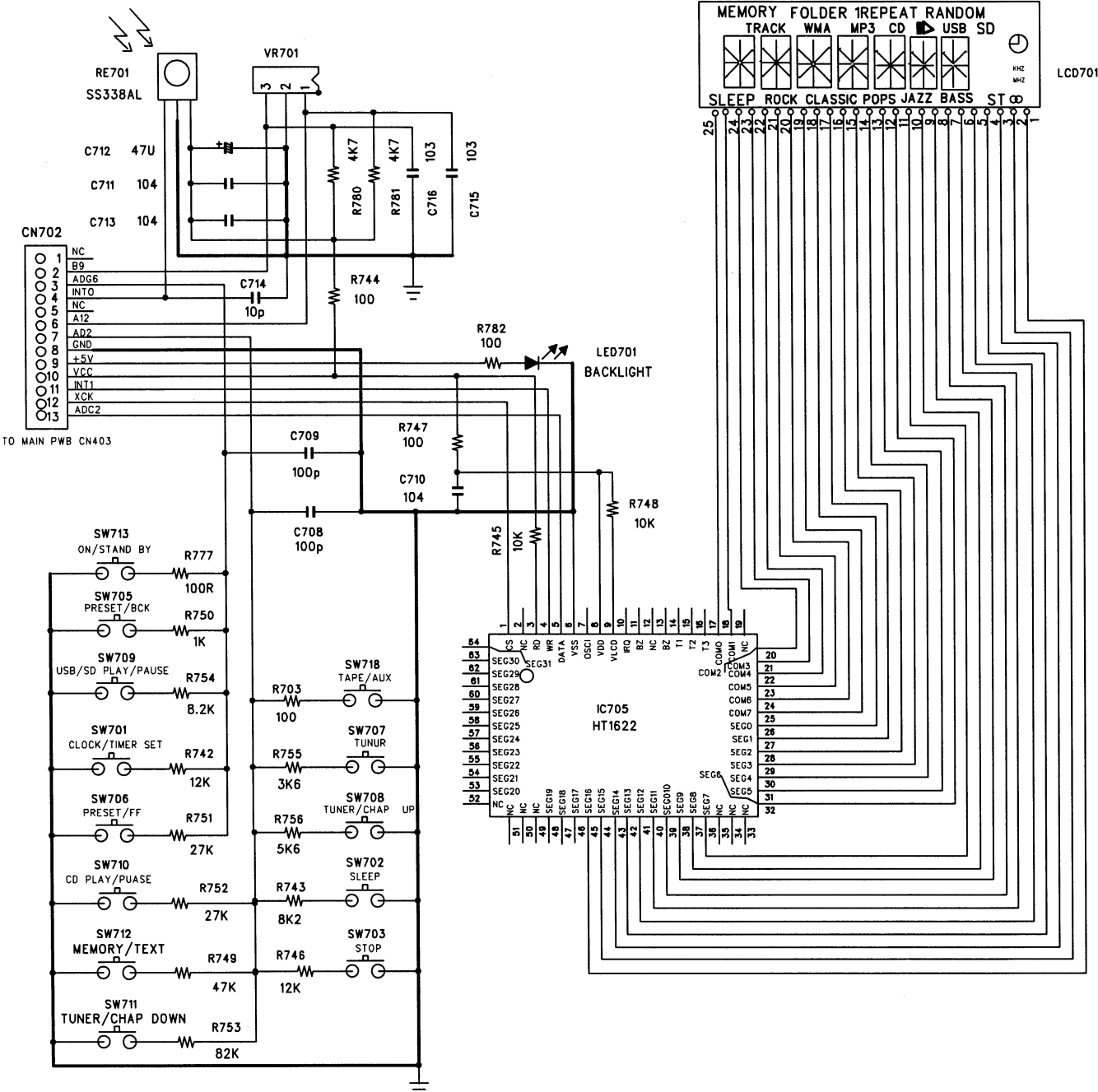
This is a basic schematic diagram.

SCHEMATIC DIAGRAM (TAPE)



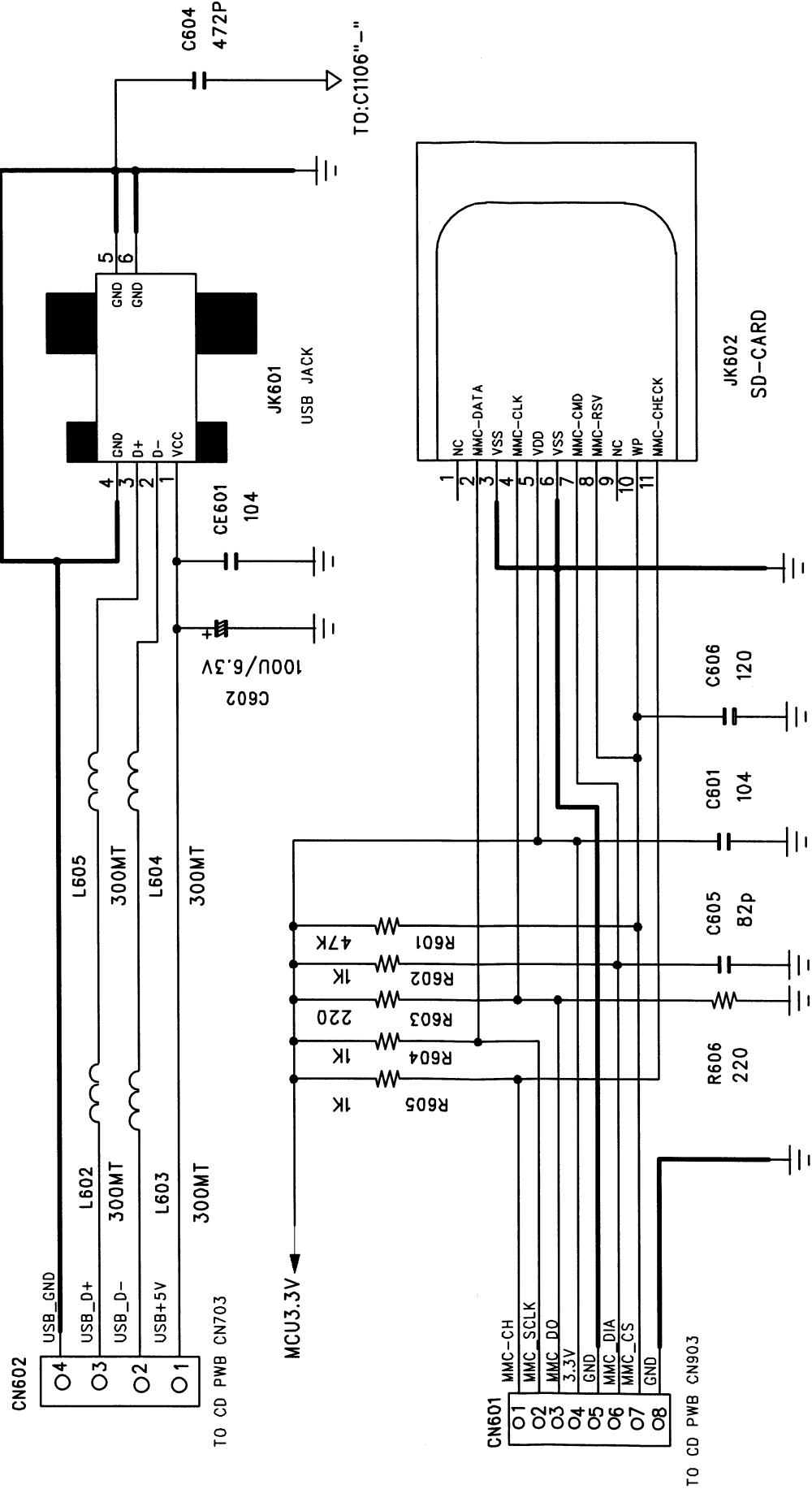
This is a basic schematic diagram.

SCHEMATIC DIAGRAM (CONTROL)

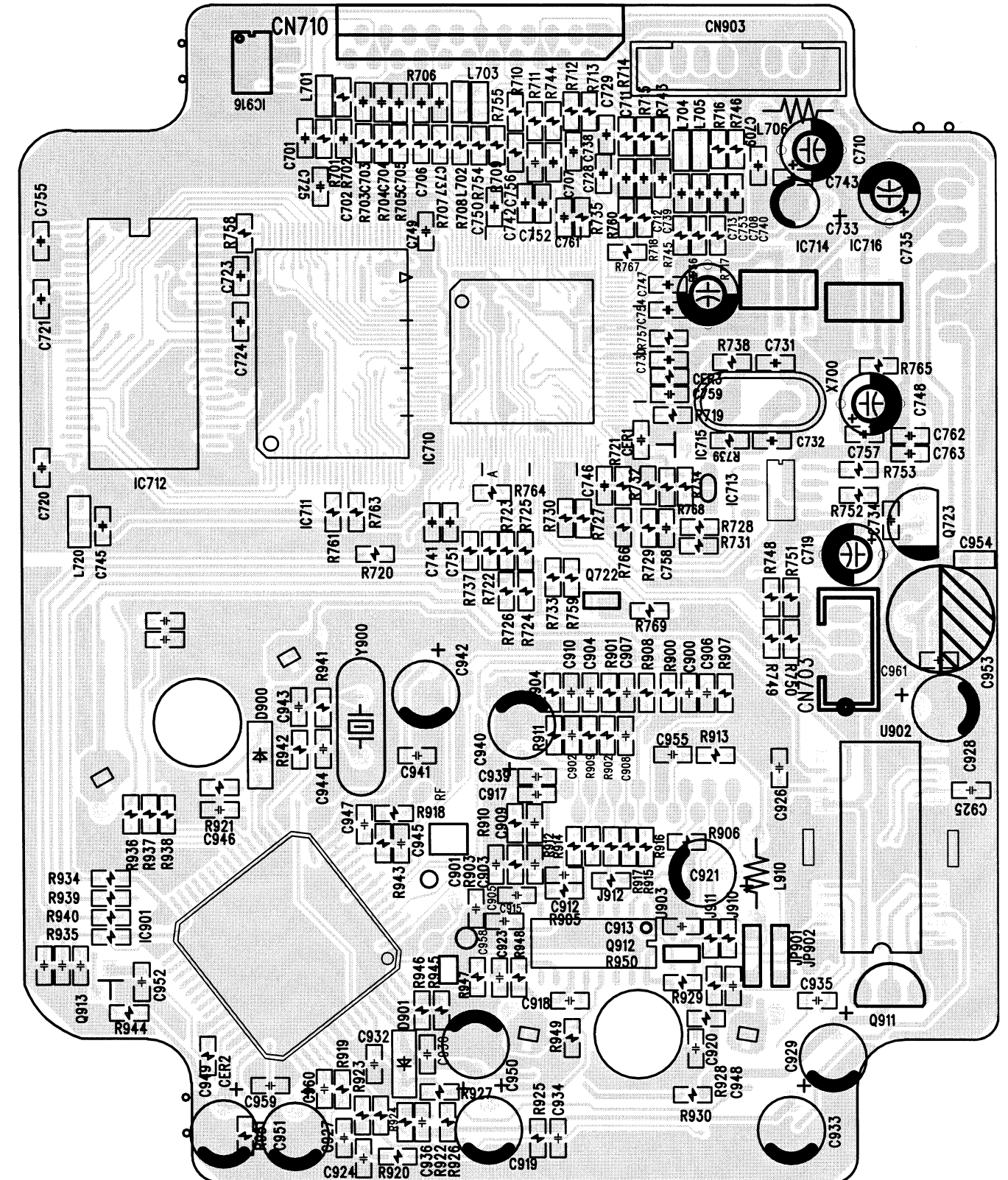


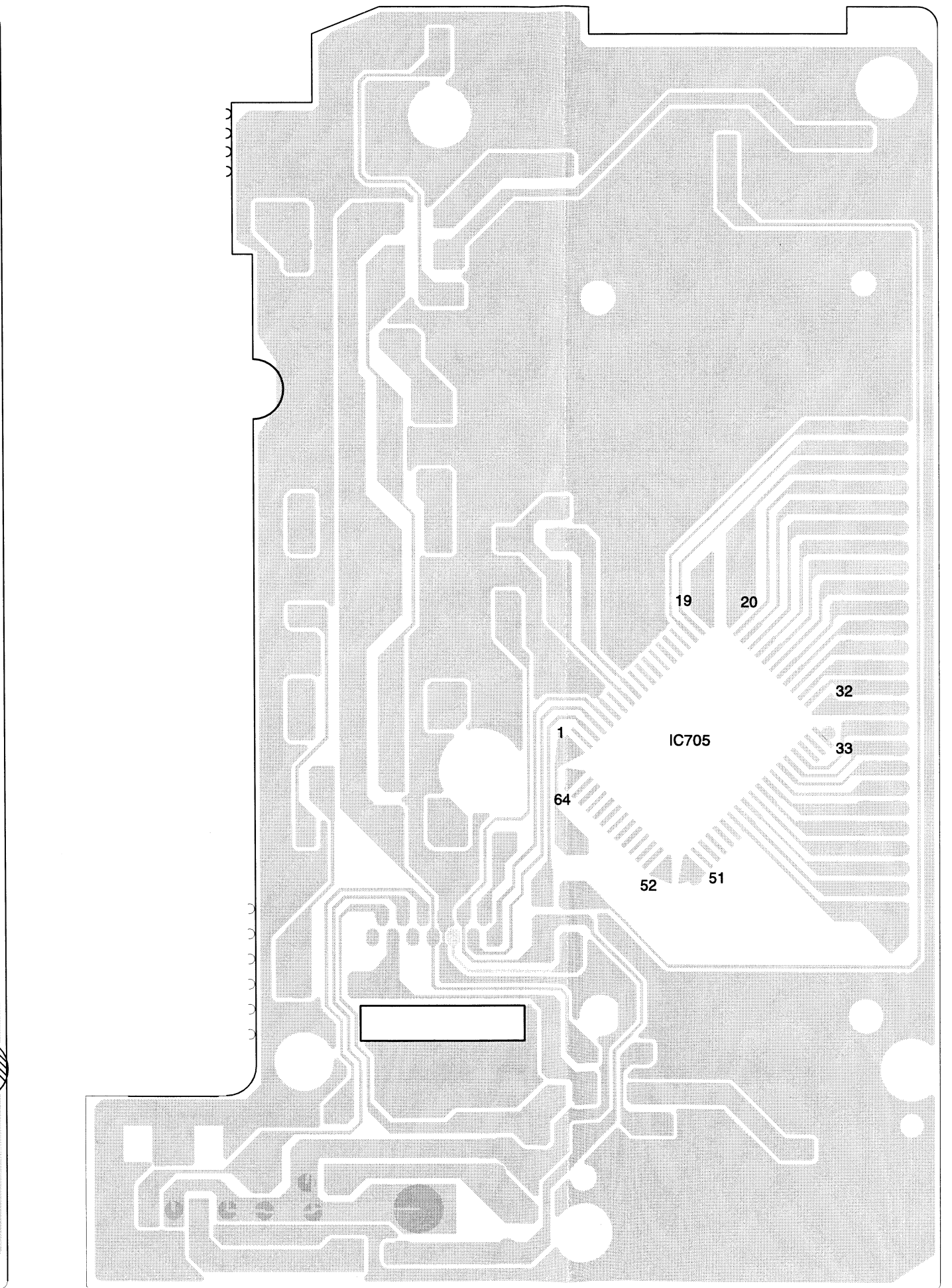
This is a basic schematic diagram.

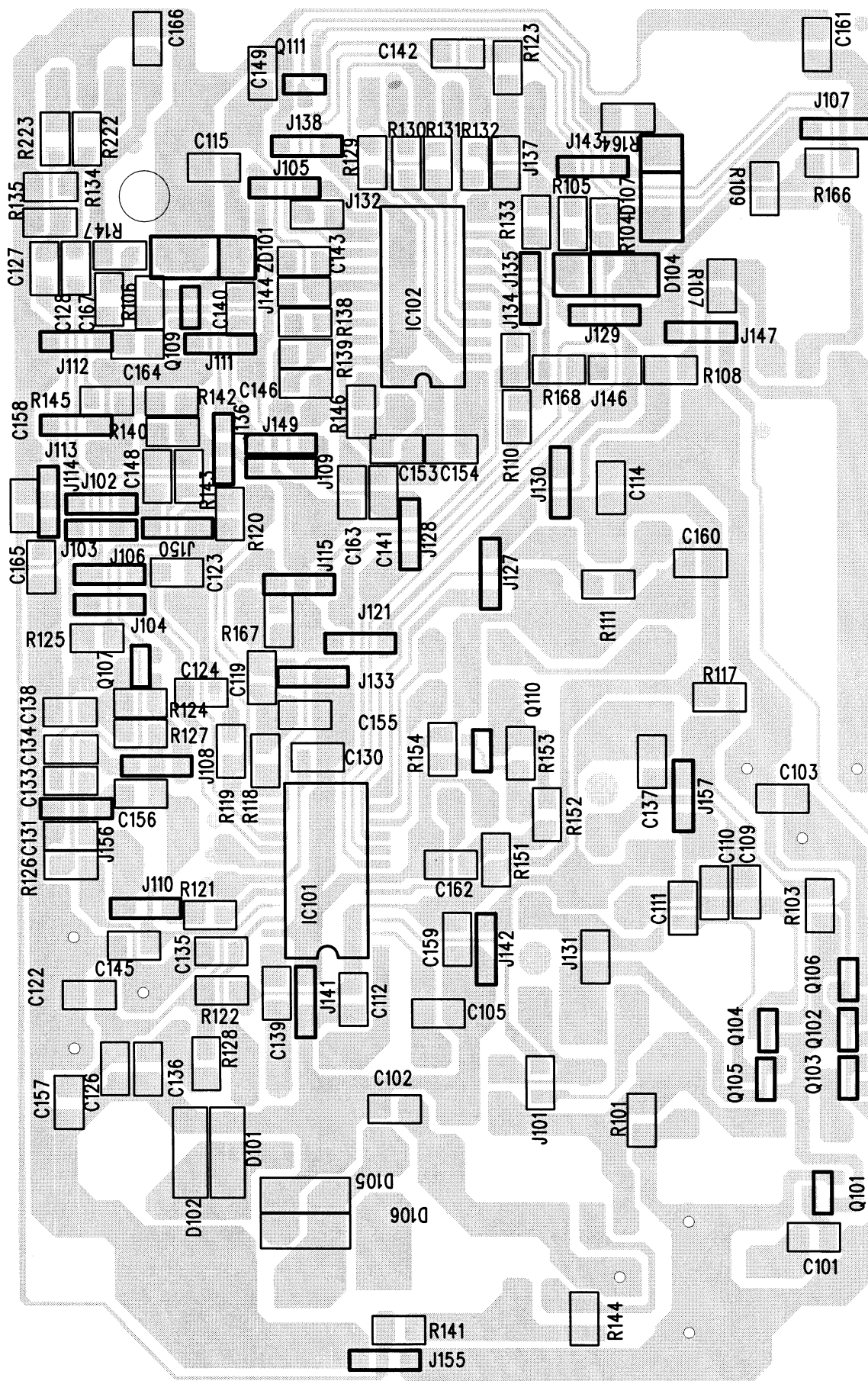
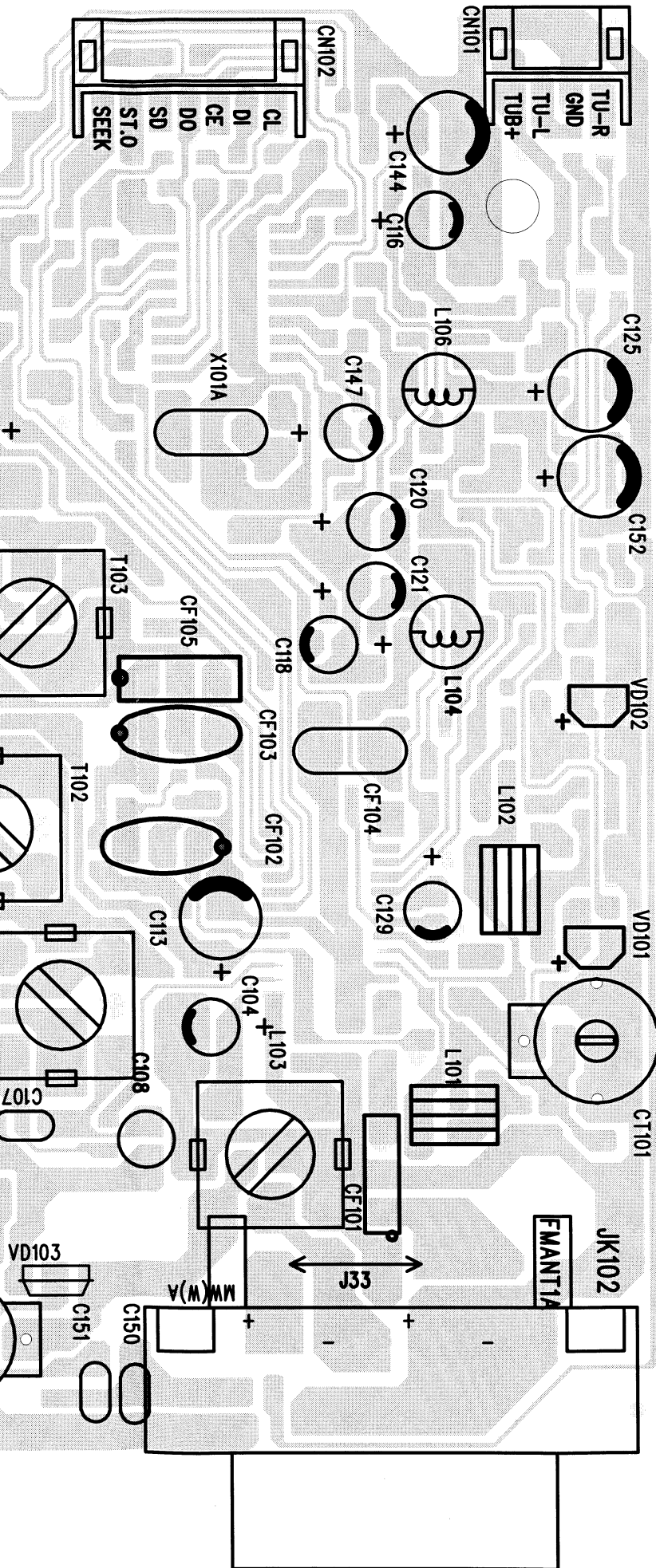
SCHEMATIC DIAGRAM (USB/SD)



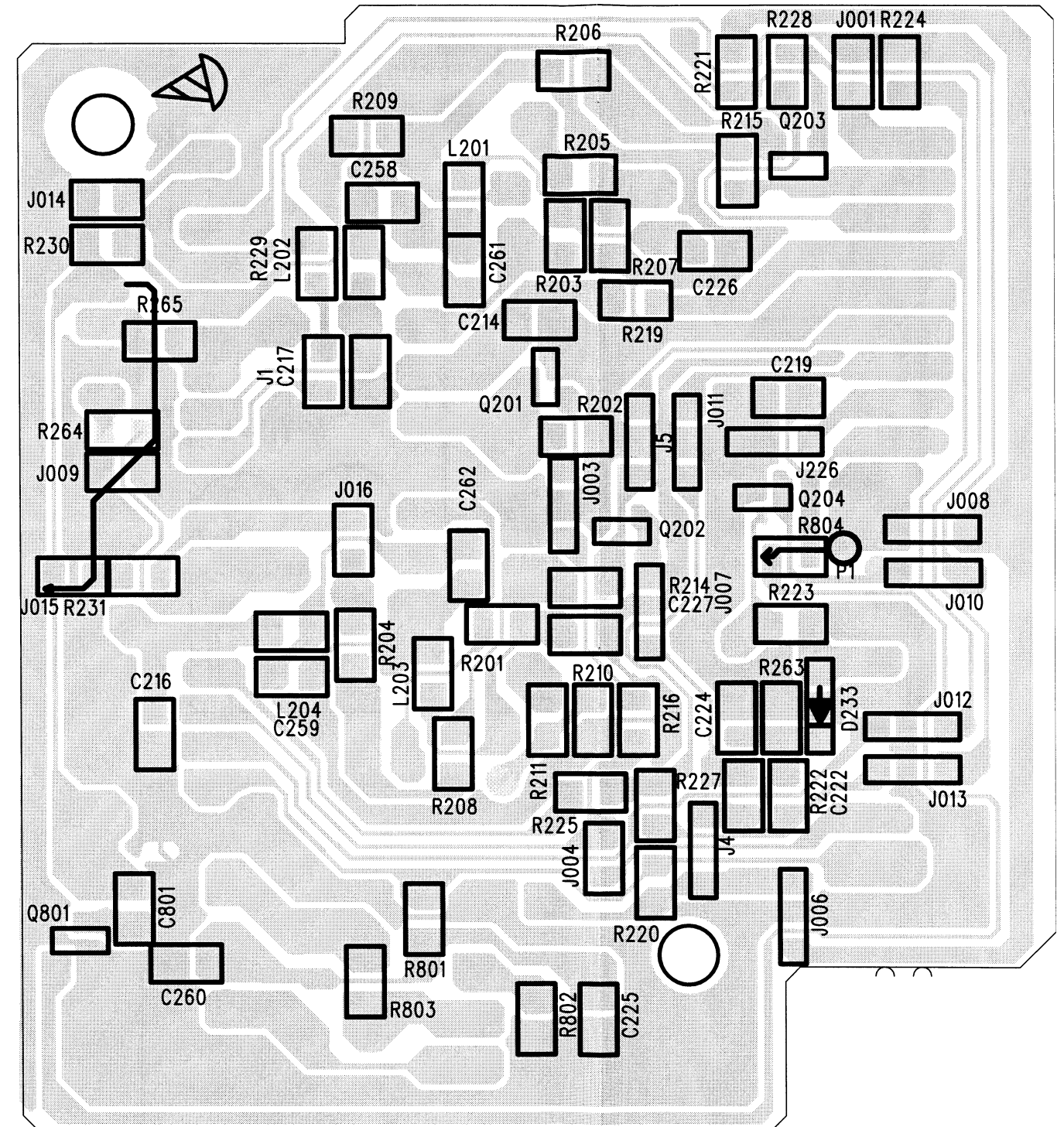
This is a basic schematic diagram.







248-STDS13-108 V:TF-A
2006-06-28 C213







- 29 -